

GenCore version 4.5
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OM protein - protein search, using SW model

Run on: March 1, 2001, 15:47:15 ; Search time 210.42 Seconds
(without alignments)
6.988 Million cell updates/sec

Title: US-09-331-631a-5_COPY_33_75

Perfect score: 248
Sequence: 1 NQEDPQTECCQCCQRRCRQGE.....RQDQYCCRCRKEICEEEY 43

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 268485 seqs, 34193795 residues

Total number of hits satisfying chosen parameters: 268485

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

A_Geneseq_36.*
1: /SIDSI/gcgdata/geneseq/geneseqp/AA1980.DAT.*
2: /SIDSI/gcgdata/geneseq/geneseqp/AA1981.DAT.*
3: /SIDSI/gcgdata/geneseq/geneseqp/AA1982.DAT.*
4: /SIDSI/gcgdata/geneseq/geneseqp/AA1983.DAT.*
5: /SIDSI/gcgdata/geneseq/geneseqp/AA1984.DAT.*
6: /SIDSI/gcgdata/geneseq/geneseqp/AA1985.DAT.*
7: /SIDSI/gcgdata/geneseq/geneseqp/AA1986.DAT.*
8: /SIDSI/gcgdata/geneseq/geneseqp/AA1987.DAT.*
9: /SIDSI/gcgdata/geneseq/geneseqp/AA1988.DAT.*
10: /SIDSI/gcgdata/geneseq/geneseqp/AA1989.DAT.*
11: /SIDSI/gcgdata/geneseq/geneseqp/AA1990.DAT.*
12: /SIDSI/gcgdata/geneseq/geneseqp/AA1991.DAT.*
13: /SIDSI/gcgdata/geneseq/geneseqp/AA1992.DAT.*
14: /SIDSI/gcgdata/geneseq/geneseqp/AA1993.DAT.*
15: /SIDSI/gcgdata/geneseq/geneseqp/AA1994.DAT.*
16: /SIDSI/gcgdata/geneseq/geneseqp/AA1995.DAT.*
17: /SIDSI/gcgdata/geneseq/geneseqp/AA1996.DAT.*
18: /SIDSI/gcgdata/geneseq/geneseqp/AA1997.DAT.*
19: /SIDSI/gcgdata/geneseq/geneseqp/AA1998.DAT.*
20: /SIDSI/gcgdata/geneseq/geneseqp/AA1999.DAT.*
21: /SIDSI/gcgdata/geneseq/geneseqp/AA2000.DAT.*

Prod. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	248	100.0	625	19	Macadamia integrifolia
2	241	97.2	666	19	Macadamia integrifolia
3	235	94.8	666	19	Macadamia integrifolia
4	110	44.4	525	19	Theobroma cacao an
5	110	44.4	566	13	Sequence encoded b
6	109	44.0	590	19	Gossypium hirsutum
7	96	38.7	28	19	Stenocarpus sinuat
8	68.5	27.6	593	19	Zea mays antimicro
9	66.5	26.8	35	13	Antimicrobial maiz
10	66.5	26.8	637	19	Hordenum vulgare an
11	65.5	26.4	33	19	Zea mays antimicro
12	65	26.2	910	20	Mouse brain CNG-1

13	65	26.2	919	10	P93109
14	65	26.2	919	18	W14783
15	65	26.2	919	21	V78914
16	63.5	25.6	51	18	W33694
17	63.5	25.6	176	18	W33695
18	63.5	25.6	301	19	W37085
19	63.5	25.6	409	20	W90342
20	63.5	25.6	489	20	W90341
21	63	25.4	626	18	W22150
22	63	25.4	626	20	V15244
23	63	25.4	626	20	V25657
24	62	25.0	1162	21	V58500
25	61.5	24.8	98	21	V65429
26	61.5	24.8	215	14	R44806
27	61	24.6	1447	20	W81029
28	60	24.2	154	20	V33504
29	60	24.2	918	12	R12223
30	60	24.2	918	20	V33491
31	59.5	24.0	614	18	W22149
32	59.5	24.0	614	19	W62834
33	59	23.8	2023	21	V54330
34	58.5	23.6	461	15	R51002
35	58.5	23.6	514	19	W80400
36	58	23.4	151	21	V74634
37	58	23.4	199	21	V74635
38	57.5	23.2	304	13	R20063
39	57.5	23.2	317	10	P93396
40	57.5	23.2	605	19	W62838
41	57.5	23.2	809	20	V29672
42	57	23.0	303	15	R60054
43	57	23.0	1898	20	V30795
44	57	23.0	2074	21	V54319
45	56.5	22.8	281	21	V91958

ALIGNMENTS

RESULT 1	
ID W62830	standard; Protein: 625 AA.
AC W62830:	
XX	
XX	
DT 27-OCT-1998	(first entry)
XX	
DE Macadamia integrifolia antimicrobial protein.	
XX	
KW antimicrobial protein; infestation; control.	
XX	
OS Macadamia integrifolia.	
XX	
FI Key	Location/Qualifiers
FT Peptide	1..28
FT	/note="signal peptide"
FT Protein	29..666
FT	/note="mature protein"
XX	
PN W09827805-A1.	
XX	
PD 02-JUL-1998.	
XX	
PF 22-DEC-1997:	97WO-AU00874.
XX	
PR 20-DEC-1996:	96AU-0004275.
XX	
PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.	
XX	
PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;	
XX	
DR WPI: 1998-37279/32.	
XX	
DR N-PSDB: V42316.	
XX	

Human androgen rec
Androgen receptor.
Human androgen rec
Mouse protamine 1.
Mouse protamine 1.
Anti-human SC sing
G. max truncated S
Peanut SPP2 protei
Peanut allergen Ar
Peanut allergen, A
Peanut allergen 11
HHV8 ORF 73 protei
Human 5' EST relat
Human cyclin D3 ps
Murine pcip protei
Human unliganded a
Human androgen rec
Human androgen rec
Peanut allergen Ar
Arachis hypogaea a
Amino acid sequenc
Sequence of human
A secreted protein
Neisseria meningit
Neisseria meningit
Human EDP-binding
Human folliatin
Glycine max antimi
Human cerebral pro
Dilofilaria immiti
A human trichohyal
Amino acid sequenc
Human cytoskeleton

```
PT Novel anti-microbial protein from e.g. Macadamia integrifolia -
PT useful for controlling microbial infestations of plants or mammals
XX
PS Claim 1; Page 43-45; 96pp; English.
XX
CC The sequence is that of an antimicrobial protein which can
CC be used to control microbial infestations in plants and mammalian
CC animals.
XX
SQ Sequence 625 AA;

Query Match 100.0%; Score 248; DB 19; Length 625;
Best Local Similarity 100.0%; Pred. No. 1.3e-19;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 NOEDPQTECQOCQRRRCROESDPROOQYQCRCKEICEEEY 43
Db 33 ngedpqtceqgcqrrrcrqesgprqgycqrrckelceeeey 75

RESULT 2
W62828 standard; Protein; 666 AA.
AC W62828;
DT 27-OCT-1998 (first entry)
DE Macadamia integrifolia antimicrobial protein.
KW antimicrobial protein; infestation; control.
OS Macadamia integrifolia.
XX
XX Key Location/Qualifiers
FH Peptide 1..28
FT /note= "signal peptide"
FT Protein 29..666
FT /note= "mature protein"
PN W09827805-A1.
PD 02-JUL-1998.
XX
XX 22-DEC-1997; 97WO-AU00874.
XX
XX 20-DEC-1996; 96AU-0004275.
XX
XX (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
XX
XX Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
XX WPI: 1998-377279/32.
XX DR N-PSDB; VA2310.
XX
XX Novel anti-microbial protein from e.g. Macadamia integrifolia -
XX useful for controlling microbial infestations of plants or mammals
XX
XX Claim 1; Page 34-36; 96pp; English.
XX
XX The sequence is that of an antimicrobial protein which can
XX be used to control microbial infestations in plants and mammalian
XX animals.
XX
SQ Sequence 666 AA;

Query Match 97.2%; Score 241; DB 19; Length 666;
Best Local Similarity 97.7%; Pred. No. 7.8e-19;
Matches 42; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 NOEDPQTECQOCQRRRCROESDPROOQYQCRCKEICEEEY 43
```

```
Db 74 ngedpqtceqgcqrrrcrqesgprqgycqrrckelceeeey 116
|||||

RESULT 3
W62829 standard; Protein; 666 AA.
AC W62829;
DT 27-OCT-1998 (first entry)
DE Macadamia integrifolia antimicrobial protein.
KW antimicrobial protein; infestation; control.
OS Macadamia integrifolia.
XX
XX Key Location/Qualifiers
FH Peptide 1..28
FT /note= "signal peptide"
FT Protein 29..666
FT /note= "mature protein"
PN W09827805-A1.
PD 02-JUL-1998.
XX
XX 22-DEC-1997; 97WO-AU00874.
XX
XX 20-DEC-1996; 96AU-0004275.
XX
XX (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
XX
XX Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
XX WPI: 1998-377279/32.
XX DR N-PSDB; VA2311.
XX
XX Novel anti-microbial protein from e.g. Macadamia integrifolia -
XX useful for controlling microbial infestations of plants or mammals
XX
XX Claim 1; Page 39-41; 96pp; English.
XX
XX The sequence is that of an antimicrobial protein which can
XX be used to control microbial infestations in plants and mammalian
XX animals.
XX
SQ Sequence 666 AA;

Query Match 94.8%; Score 235; DB 19; Length 666;
Best Local Similarity 93.0%; Pred. No. 3.5e-18;
Matches 40; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 NOEDPQTECQOCQRRRCROESDPROOQYQCRCKEICEEEY 43
Db 74 ngedpqtceqgcqrrrcrqesgprqgycqrrckelceeeey 116
|||||

RESULT 4
W62831 standard; Protein; 525 AA.
AC W62831;
DT 27-OCT-1998 (first entry)
DE Theobroma cacao antimicrobial protein.
KW antimicrobial protein; infestation; control.
OS Theobroma cacao.
```


XX	27-OCT-1998	(first entry)
DT		
XX	Stenocarpus sinuatus	antimicrobial protein.
DE		
XX	antimicrobial protein; Infestation; control.	
XX		
KW		
XX		
OS		
XX	Stenocarpus sinuatus.	
PN		
PD	W09827805-A1.	
XX	02-JUL-1998.	
XX		
PF	22-DEC-1997;	97WO-AU00874.
XX		
PR	20-DEC-1996;	96AU-0004275.
XX		
PA	(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.	
XX		
PI	Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;	
XX		
DR	WPI; 1998-377279/32.	
XX		
PT	Novel anti-microbial protein from e.g. Macadamia integrifolia -	
XX	useful for controlling microbial infestations of plants or mammals	
XX		
PS	Claim 1; Page 66; 96pp; English.	
CC		
CC	The sequence is that of an antimicrobial protein which can	
XX	be used to control microbial infestations in plants and mammalian	
CC	animals.	
XX		
SO	Sequence	28.AA;

Query Match	Similarity	63.0%	Score	96	DB	19	Length	28																	
Best Local	Similarity	63.0%	Pred. No.	0.00021																					
Matches	17	Conservative	3	Mismatches	7	Indels	0	Gaps	0																
QY	4	D	P	T	E	C	C	C	A	R	R	C	R	O	E	S	D	P	R	O	O	T	C	Q	30
Db	2	d	p	i	r	q	a	t	c	m	c	q	a	k	e	k	d	p	r	q	q	a	k	28	

RESULT	8
W62835	W62835 standard; Protein; 593 AA.
XX	
AC	W62835;
XX	
DT	27-OCT-1998 (first entry)
XX	
DE	Zea mays antimicrobial protein.
XX	
KW	antimicrobial protein; infestation; control.
XX	
OS	Zea mays.
XX	
FN	W09827805-A1.
XX	
PD	02-JUL-1998.
XX	
PE	22-DEC-1997; 97WO-AU00874.
XX	
PR	20-DEC-1996; 96AU-0004275.
XX	
PA	(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
XX	
PI	Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
XX	
DR	WPI; 1998-377279/32.
XX	
LT	Novel anti-microbial protein from e.g. Macadamia integrifolia -

PT useful for controlling microbial infestations of plants or mammals
XX
PS Claim 1, Page 58-60; 96pp; English.
XX
CC The sequence is that of an antimicrobial protein which can
CC be used to control microbial infestations in plants and mammalian
CC animals.
XX
X0 Sequence 593 AA;

Query Match	27.6%	Score 68.5;	DB 19;	Length 593;
Best Local Similarity	35.3%;	Pred. No. 3.4;		
Matches .12;	Conservative 10;	Mismatches 11;	Indels 1;	Gaps 1

```

OY      2 QEDPQTECCQCCQRC-RQESDPRQOQYCCQRC 34
        :|:|:| |:| | | | | | | | | | | | |
Db      557 eeersgrgecrqlrrhegqpwetgecmrrcr 590

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RESULT	9
R21079	
ID	R21079 standard; Peptide; 35 AA.

DT 09-APR-1992 (first entry)

DE Antimicrobial maize peptide, CMIII.

KW Maize; CMIIT; corn; pathogen.

OS Zea mays.

PN EP465009-A.

PD 08-JAN-1992.

PF 05-JUN-1991; 91EP-0305064.

PR 05-JUN-1990; 90US-0536127

PA (PION-) PIONEER HI-BRED INT.

PI Duvick JP, Rood TA, Rao AG;

DR WPI; 1992-010214/02.

PT Use of maize seed peptide CMIII and DNA encoding it - for killing PT or inhibiting plant pathogenic microorganisms.

PS Example 2; Page 5; 21pp; English.

CC The peptide (SEQ ID NO 1) was purified from public corn variety B73
CC and properly corn variety WH18. It is basic and has has a total
CC mol. wt. of 3900 daltons. The peptide sequence was used to design
CC probes which were used to screen a maize genomic or cDNA library.
CC The isolated CMII gene can be used to prepare an expression vector
CC for prodr. of recombinant CMII for use in controlling plant patho-
CC genic organisms.
CC See also Q20272 and 3.

SQ Sequence 35 AA;

Query Match	26.8%;	Score 66.5;	DB 13;	Length 35;
Best Local Similarity	44.0%;	Pred. No. 0.4;		
Matches 11;	Conservative 6;	Mismatches 7;	Indels 1;	Gaps 1;

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QY      11 QCRRC_RQESDPQQQCQRCK 34  
        :|:|:|:|:|:|:|:|:|:  
Db      6 ecrqclrrhegpyetqecmr cr 30
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RESULT 10
W62837
ID W62837 standard; Protein; 637 AA.
XX
AC W62837;
XX
DT 27-OCT-1998 (first entry)
XX
DE Hordeum vulgare antimicrobial protein.
XX
KW antimicrobial protein; infestation; control.
XX
OS Hordeum vulgare.
XX
PN W62837;
XX
PD 02-JUL-1998.
XX
PF 22-DEC-1997; 97WO-AU00874.
XX
PR 20-DEC-1996; 96AU-0004275.
XX
PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
XX
PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
XX
DR WPI; 1998-377279/32.
XX
PT Novel anti-microbial protein from e.g. Macadamia integrifolia -
XX
PS useful for controlling microbial infestations of plants or mammals
XX
PS Claim 1; Page 60-62; 96pp; English.
XX
CC The sequence is that of an antimicrobial protein which can
CC be used to control microbial infestations in plants and mammalian
CC animals.
XX
SQ Sequence 637 AA;

Query Match 26.8%; Score 66.5; DB 19; Length 637;
Best Local Similarity 39.4%; Pred. No. 6.1;
Matches 13; Conservative 7; Mismatches 8; Indels 5; Gaps 2;

QY 10 QOCRCRCROESDPROQYQCRCKEICEEE 42
   |||:||||: || | ||:|:|:|
Db 42 qgcvgqrgrgr--pr---ysharcvgecrddq 69

RESULT 11
W62836
ID W62836 standard; Protein; 33 AA.
XX
AC W62836;
XX
DT 27-OCT-1998 (first entry)
XX
DE Zea mays antimicrobial protein.
XX
KW antimicrobial protein; infestation; control.
XX
OS Zea mays.
XX
PN W62836;
XX
PD 02-JUL-1998.
XX
PF 22-DEC-1997; 97WO-AU00874.
XX
PR 20-DEC-1996; 96AU-0004275.
XX
PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.

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XX
PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
XX
DR WPI; 1998-377279/32.
XX
PT Novel anti-microbial protein from e.g. Macadamia integrifolia -
XX
PS useful for controlling microbial infestations of plants or mammals
XX
PS Disclosure; Page 60; 96pp; English.
XX
CC The sequence is that of an antimicrobial protein which can
CC be used to control microbial infestations in plants and mammalian
CC animals.
XX
SQ Sequence 33 AA;

Query Match 26.4%; Score 65.5; DB 19; Length 33;
Best Local Similarity 44.0%; Pred. No. 0.49;
Matches 11; Conservative 6; Mismatches 7; Indels 1; Gaps 1;

QY 11 QOCRCRCROESDPROQYQCRCK 34
   :|:|:| | | | | | | | | |
Db 6 ecrrgcrlrhngqpwetqecmrrr 30

RESULT 12
Y22191
ID Y22191 standard; Protein; 910 AA.
XX
AC Y22191;
XX
DT 10-SEP-1999 (first entry)
XX
DE Mouse brain cGMP-1 protein sequence.
XX
KW BCNG; brain cyclic nucleotide gated ion channel; epilepsy; hyperalgesia;
KW Alzheimer's Disease; Parkinson's Disease; long QT syndrome; dyslexia;
KW sick sinus syndrome; age-related memory loss; cystic fibrosis;
KW sudden death syndrome; pacemaker rhythm dysfunction; sensory disorder;
KW auditory disorder; respiratory disorder; attention deficit disorder;
KW learning disability; drug addiction; therapy; mBCNG-1.
XX
OS Mus sp.
XX
PN W62836;
XX
PD 01-JUL-1999.
XX
PF 23-DEC-1998; 98WO-US27630.
XX
PR 28-MAY-1998; 98US-0086436.
XX
PR 23-DEC-1997; 97US-0997685.
XX
PA (UYCO ) UNIV COLUMBIA NEW YORK.
XX
PI Bartsch D, Grant S, Kandel ER, Santoro B, Siegelbaum S;
XX
PI Tibbs G;
XX
DR WPI; 1999-418922/35.
XX
DR N-PSDB; X84442.
XX
PT An isolated nucleic acid encoding a brain or heart cyclic
XX
PT nucleotide-gated ion channel
XX
PS Claim 16; Page 185-188; 213pp; English.
XX
CC This sequence is the brain cyclic nucleotide-gated ion channel
XX
CC (BCNG) of the invention, designated mBCNG-1. BCNG and h-KNG-related
XX
CC proteins are useful in screening for compounds that modulate, interact or
XX
CC affect expression. Compounds, e.g. antagonists and agonists, identified
XX
CC in the methods are useful for modulating BCNG or BCNG-related protein
XX
CC activity. Modulation is increased or decreased ion permissivity or ion

```

CC flow rate. Modulators of BCGng can be used to treat a neurological, renal
CC pulmonary, hepatic or cardiovascular condition. Such conditions include
CC epilepsy, Alzheimer's Disease, Parkinson's Disease, long QT syndrome,
CC sick sinus syndrome, age-related memory loss, cystic fibrosis, sudden
CC death syndrome or pacemaker rhythm dysfunction. BCGng or BCGng-related
CC protein can also be used to treat sensory disorders, e.g. blindness, loss
CC of vision, loss of smell, numbness and lack of ability to taste. Also
CC treatable are auditory disorders, respiratory disorders due to defects in
CC central nervous system areas that control respiration or defects in the
CC lungs, dyslexia, attention deficit disorder or learning disabilities,
CC drug addiction and regulation of cell secretions. The proteins are useful
CC targets for screening for drugs that are effective in the control of pain
CC and hyperalgesia.

```

Query Match      26.2%;  Score 65;  DB 20;  Length 910;
Best Local Similarity 29.3%;  Pred. No. 12;
Matches 12;  Conservative 16;  Mismatches 13;  Indels 0;  Gaps 0
OY      2  QEDPTECCQCCRCRCQCESDPDRCQCYCQRCRKEICEEEE 42
      1: 11::111::111::11111::: : : : : : : : : :
Db      724 gdlpqstqvqqlqlqlgqqqqqqqqqqqqqqqqqqqqqq 764

```

RESULT 13
 ID P93109 standard; protein; 919 AA.
 AC P93109;
 DT 19-MAR-1990 (first entry)
 DE Human androgen receptor.
 KW Human androgen receptor; p1oyclonal antibody; cancer.
 OS Homo sapiens.
 PN W08909791-A.
 PD 19-OCT-1989.
 PF 13-APR-1989; 89WO-US01548.
 PR 14-APR-1988; 88US-0182646.
 PA (UYNC-) UNIVERSITY OF NORTH CAROLINA.
 PI French FS, Wilson EM, Joseph DR, Lubahn DB;
 DR N-PSDB; N91772.
 PT DNA encoding androgen receptor protein - useful for transforming
 PS eukaryotic hosts for protein expression and subsequent antibody prodn.
 PS Disclosure; Fig. 4; 41pp: English.
 CC Androgen receptor protein (AR) is used to produce mono- or poly-clonal
 CC antibodies. These are used for the detection and quantification of AR in
 CC the presence of endogenous androgen, as androgen will not interfere with
 CC binding. They may be used in assays to determine and quantify cellular
 CC distribution of AR in tumour tissue, and are esp. useful for evaluating
 CC prostate cancers to determine responsiveness to androgen withdrawal
 CC therapy.
 CC Sequence 919 AA;
 CC

	Matches	14;	Conservative	6;	Mismatches	9;	Indels	0;	Gaps	0;
QY	2	QEDPTGECQCRCRQGESDPRQQVYC	30							
	1:	:	:	:	:	:	:	:	:	:
Dd	61	qgqqqqqqqqqqqqqqqlsprrqqqqqq	89	.						

RESULT	14
W14783	
ID	W14783 standard; Protein: 919 AA.
XX	
AC	W14783;
XX	
DT	22-JUN-1997 (first entry)
XX	
DE	Androgen receptor.
XX	

KW Androgen receptor; acidotic fibroblast growth factor; aRGF;
KW antisenesc; benign prostatic hyperplasia; prostate cancer; therapy.
XX
XX
OS Homo sapiens.
XX
XX
PN W09711170-A1.
XX
PD 27-MAR-1997.
XX

PE 20-SEP-1996; 96WO-US15081.
XX
XX 20-SEP-1995; 95US-0004018.
PR
XX (WORC-) WORCESTER FOUND BIOMEDICAL RES.
XX PA
XX
XX
XX Zamecnik PA;
PI
XX WPT: 1997-202879/18
DR

DR N-PSDB; T63407.
XX
XX Oligonucleotide(s) antisense to human androgen receptor and acidic
PT PFG genes - used to inhibit gene expression, for the treatment of
PT benign prostatic hyperplasia
XX
PS Disclosure; Page 22-28; 51pp; English.
XX
XX Human androgen receptor (W14783) binds testosterone and, acting
CC at the transcriptional level, regulates the growth of normal
CC prostatic cells. Antisense oligonucleotides (see also T63200,
CC T63404-05) based on an androgen receptor cDNA clone (see also
CC T63407) can be used to prevent androgen receptor gene expression,
CC thereby inhibiting the growth or survival of prostatic cells for
CC the treatment of benign prostatic hyperplasia and prostate cancer.

QY	2	QEDPTECCGCCRCRQESDPKROQCY	30
db	61	qqqqqqqqqqqqqqqqqqqetpsrqqqqqqq	89

RESULT	15
Y78914	
ID	Y78914 standard; protein; 919 AA.
XX	
AC	Y78914;
XX	
DT	23-MAY-2000 (first entry)
XX	
DE	Human androgen receptor (AR) amino acid sequence.
XX	

